

Electric Actuator to Produce a Predetermined Force

Abstract of Disclosure

An electric actuator comprising: a first plate; a second plate substantially parallel to the first plate; a linkage system that couples the first plate to the second plate such that moving the linkage system toward an over-center position causes the second plate to move away from the first plate; an electric motor coupled to the linkage system, the electric motor capable of moving the linkage system toward the over-center position; a force transducer coupled to the actuator, the force transducer capable of producing a force signal responsive to a force produced by the actuator; a control system coupled to the electric motor and the force transducer, the control system capable of providing a control signal to the electric motor to move the linkage system to a position, the position being determined by the control system in response to the force signal.

Figures